Lockneed Martin Corporation Corporate Environment, Safety & Health 7921 Southpark Plaza, Suite 210 - Luttleton, CO 80120

LOCKHEED MARTIN

June 30, 2000

Mr. Gerard J. Thibeault Executive Officer California Regional Water Quality Control Board Santa Ana Region 3737 Main Street, Suite 500 Riverside, California 92501-3339

Dear Mr. Thibeault:

In accordance with the approved Water Supply Contingency Plan, enclosed is one copy of the April 2000 Production Well Sampling Program report prepared by Earth Tech for Lockheed Martin Corporation. This report presents analytical results from samples collected at Bunker Hill Basin production wells in April of 2000. The report includes laboratory quality assurance/quality control documentation.

If you or your staff have any comments or questions, please contact me at 303.971.1880.

Sincerely,

Stephen Evanoff, P.E., DEE Manager, Central ESH Services

SE:eah

Enclosures

c: See Attached Distribution List

Mr. Gerard J. Thibeault June 30, 2000 Page 2

Distribution

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bc: (Abbreviated report without attachments "A & B" which are available upon request)

Gallop, Johnson & Neuman 101 S. Hanley Road St. Louis, MO 63105 Attn: David W. Harlan

Highland Supply Corporation 1111 Sixth Street Highland, IL 62249 Attn: Donald E. Weder

Seven W Enterprises, Inc. 1500 Crafton Ave., P. O. Box 111 Redlands, CA 92373-1730 Attn: Janet M. Weder

Seven W. Enterprises, Inc. 1111 Sixth Street Highland, IL 62249 Attn: Wanda M. Weder Mr. Gerard J. Thibeault June 30, 2000 Page 4

bc: (Abbreviated report without attachments "A & B" which are available upon request)

Stephen Evanoff, LMC
Doug Goins, LMC-Legal (Denver)
Eric Hodder, LMC
Ian Hutchison, TRC
Gene Matsushita, LMC
Tom Patterson, TRC
Eric Peterson, Earth Tech
Gail Rymer, LMC-Communications
Bob Simpson, LMC

Two copies to BPO Technical Information Center (Library) RED Chron File 979 WBS

June 30, 2000

Lockheed Martin Corporation West Coast Project Office 2550 N. Hollywood Way, 3rd Floor Burbank, California 91505

Attention:

Mr. Eric Hodder

Project Supervisor

Subject:

April 2000 Data Report

Water Supply Contingency Plan Production Well Sampling Program Crafton-Redlands Plume Project Telephone

562.951.2000

Facsimile

562.951.2100

Dear Mr. Hodder:

This report presents a summary of results of the Water Supply Contingency Plan production well sampling for the month of April 2000. The Water Supply Contingency Plan (WSCP) was prepared by Lockheed Martin Corporation and submitted to the State of California Regional Water Quality Control Board (RWQCB) Santa Ana Region on September 30, 1996. The plan was conditionally approved by the RWQCB in a letter dated March 6, 1997. The WSCP for the Crafton-Redlands Plume was prepared to address maintenance of water supply to purveyors in the event that wells became impacted with trichloroethene (TCE) from the Crafton-Redlands TCE Plume. A summary of key dates and WSCP sampling program evolution is provided on Table 1.

The locations of the WSCP wells and analytical results for the April 2000 sampling event for TCE and perchlorate are shown on Figures 1 and 2, respectively. Table 2 presents a summary of analytical tests performed on each WSCP well and water system sampling point. The sampling frequency of each well is once a month for the first year. More frequent sampling, if required, is based on the analytical results as outlined in the WSCP TCE and perchlorate decision matrices, provided as Figures 3 and 4, respectively. The perchlorate decision matrix was presented in the Perchlorate Work Plan and Schedule, which was submitted to the RWQCB on August 15, 1997. The RWQCB approved the Perchlorate Work Plan on October 31, 1997. Table 3 presents a summary of the wells sampled twice monthly according to the decision matrices.



RESULTS

Summaries of the analytical results for the April 2000 WSCP sampling event for TCE and perchlorate are shown on Figures 1 and 2, respectively, and presented on Table 4. Available groundwater elevation data are provided on Table 5. The water sampling field forms are provided in Attachment A. Chain-of-custody, laboratory data sheets, and Level III laboratory quality assurance/quality control (QA/QC) documentation are provided in Attachment B.

Trichloroethene

Four groundwater samples collected in April met or exceeded $2/5^{th}$ the MCL for TCE (i.e., were greater than or equal to 2.0 μ g/L) including: Gage 26-1 (8.9 μ g/L), Gage 27-1 (9.0 μ g/L), Gage 29-2 (6.0 μ g/L) and City of Loma Linda (COLL) Mountain View #2 (2.3 μ g/L).

The TCE impact at 26-1 and 27-1 are partially attributed to the Norton AFB plume and partially attributed to the Crafton Redlands plume. Gage 26-1 and Gage 27-1 were placed into TCE treatment in May 1999; therefore, they will be sampled once a month.

The TCE impacts observed at Gage 29-2 and Gage 29-3 are partially attributed to the Norton AFB plume and partially attributed to the Crafton-Redlands plume. TCE treatment was installed at Gage 29-2, Gage 29-3, and Gage 92-1 in February 2000. Thus Gage 29-2, Gage 29-3 and Gage 92-1 will be sampled once a month for TCE when active. In April, Gage 29-3 was off-line and not sampled.

Mountain View #2 and Richardson #1 were activated for sampling only. The purge water from Mountain View #2 and Richardson #1 were pumped to waste, and not into the system.

The COLL Richardson Blend sampling point was not sampled in April because only the Richardson #3 well was pumping into the Richardson system. Therefore, sampling of Richardson Blend was considered redundant.

Perchlorate

In the April WSCP sampling, perchlorate was detected at or above 75 percent of the PAL (i.e., greater than or equal to 13.5 μ g/L) in COLL Mountain View #2 (39 μ g/L), Gage 29-2 (43 μ g/L), Gage 51-1 (19 μ g/L), and Gage 92-1 (18 μ g/L).

Gage 29-2, Gage 29-3, Gage 51-1, Gage 92-1 and COLL Mountain View #2 wells are currently being sampled twice a month for perchlorate, if active. In April, Gage 29-3 was off-line and not sampled. Gage 51-1 was off line for most of April, and therefore a confirmation sample was not collected.

The perchlorate impacts observed at Mountain View #2 are consistent with historic data when the well is sampled shortly after it is turned on. As stated above, water from Mountain View #2 was not pumped into the system and therefore a confirmation sample was not collected.

CLOSING

Earth Tech greatly appreciated being of continued service to Lockheed Martin Corporation on this project. Should you have any questions or comments, please do not hesitate to call.

Sincerely, Earth Tech

Eric Peterson, P.E. Program Director Matthew Werner, R.G., C.E.G., C.H.

Project Manager

TABLES

TABLE 1

KEY PROJECT DATES AND WSCP SAMPLING PROGRAM EVOLUTION

August 2, 1996, the RWQCB – Santa Ana Region requested Lockheed Martin to submit a conceptual Water Supply Contingency Plan.

September 30, 1996, Lockheed Martin submitted the Water Supply Contingency Plan (WSCP) to the RWQCB – Santa Ana Region.

March 6, 1997, the RWQCB conditionally approved the WSCP, which included sampling eight production wells (City of Loma Linda Richardson #1, Richardson #2, Mountain View #1, Mountain View #2, Victoria Farms Mutual Water Company Wells #1 and #3, and Southern California Edison #1 and #2).

June 1997, Victoria Farms Mutual Water Company was connected of City of San Bernardino Water. Pumping ceased at VFMWC #1 and #3, and the two wells were removed from the program.

June 1997, sampling of SCE #1 was discontinued because it is not operated on a regular basis. The WSCP consists of five wells, including COLL Mountain View #1 and #2, COLL Richardson #1 and #2, and SCE #2 (AUX).

August 1997, the WSCP was expanded due to the detection of perchlorate in municipal supply wells in the Bunker Hill Basin. Twenty-six wells were added to the WSCP including nineteen City of Riverside wells, five City of Redlands wells, and two Loma Linda University wells, for a total of 31 wells.

October 1997, three City of Riverside water system sampling points were added to the WSCP, including the Gage system pipeline (Gage Delivery), the Waterman system pipeline (Iowa Booster), and the sampling station measuring outflow from the Linden and Evans Reservoirs (7th & Chicago).

March 1998, two City of Loma Linda water system sampling points were added to the WSCP, including the Mountain View system pipeline (Mountain View Blend at Lawton) and the Richardson system pipeline (Richardson Blend).

June 1998, one City of Riverside irrigation water system sampling point (Gage Arlington) and one additional City of Loma Linda water system sampling point (Mountain View Blend at Timoteo) were added to the WSCP.

December 1998, the COLL Richardson #3 well was added to the WSCP Sampling Program.

May 1999, Sampling of Mountain View Blend at Timoteo was discontinued because it does not represent a blend sample of the Mountain View pipeline system.

December 1999, the COLL Mountain View #3 well and the Gage 98-1 well were added to the WSCP Sampling Program

February 2000, the COLL Richardson #2 well was decommissioned, and therefore removed from the WSCP Sampling Program.

TABLE 2
WSCP PRODUCTION WELL SAMPLING PROGRAM

Well Number	Well Name	Perchlorate	TOBER 1
City of Loma Linda			
692	Mountain View #2	X	×
3106	Mountain View #3	X	X
693	Richardson #1	X	×
707	Richardson #3	X	×
City of Loma Linda	a Water System Sampling Points		
2967	Mountain View Blend - Lawton	T X 1	X
2968	Richardson Blend	X	X
	ower (Formerly Southern California Edi		
554	SCE #2 (AUX)	X	X
	Projety management of the second of the seco		
267	LL Univ Anderson #2	T X	
	LL Univ Anderson #3	X	
	Gage System) 💝 📜 💮		
252	Gage #26-1	T X	X
258	Gage #27-1	+ ×	x
259	Gage #27-2	$\frac{\hat{x}}{x}$	×
260	Gage #29-1	$\frac{\lambda}{x}$	X
219	Gage #29-2	$\frac{x}{x}$	X
220	Gage #29-3	X	X
218	Gage #30-1	$\frac{\hat{x}}{\hat{x}}$	X
214	Gage #31-1	+	
215	Gage #46-1	 	×
253	Gage #51-1	 	
			X
216	Gage #56-1	X	X
257	Gage #66-1	X	×
644	Gage #92-1	X	X
641	Gage #92-2	X	X
642	Gage #92-3	X	×
3091	Gage #98-1	<u> </u>	X
	(Waterman System)		
273	Hunt #6	X	
271	Hunt #10	X	
272	Hunt #11	X	
	Water System Sampling Points	······································	
2946	Iowa Booster (Waterman)	X	X
2947	Gage Delivery (Gage)	X	X
2948	7th & Chicago (Reservoir)	X	X
3018	Gage Arlington	X	
City of Redlands			
542	COR Church St	X	
2673	COR #38	X	
535	COR Mentone Acres	X	
29	COR Orange St	X	
74	COR Rees	X	X

Notes:

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified)

TCE analyzed using EPA Method 502.2

TABLE 3

WSCP PRODUCTION WELL SAMPLING PROGRAM APRIL 2000 WELLS SAMPLED TWICE MONTHLY

Well Numbe	Well Name	Perchlorate	SE SECHNICE OF THE
City of Loma 1	inda		
692	Mountain View #2	X	
Gity of Riversi	de (Gage System)		125 - 126 -
219	Gage #29-2	X	X
220	Gage #29-3	X	X
253	Gage #51-1	X	
644	Gage #92-1	X	

Notes:

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified)

TCE analyzed using EPA Method 502.2

TABLE 4

WSCP PRODUCTION WELL SAMPLING PROGRAM APRIL 2000 DATA RESULTS

Well Number	Well Name		Perchlorate (ug/L)	TCE (ug/L)
		Sample Date	Del Mar	Del Mar
City of Long Lind	ä		was Dai mai	Doi mai
692	Mountain View #2	4/4/00	39 ⁶	2.3°
	Mountain View #2*	4/17/00	30°	NA NA
692	Mountain View #2	4/4/00	ND (4.0)	ND (0.5)
3106		4/4/00	10°	0.5°
693	Richardson #1	4/4/00		·
707 707	Richardson #3 Richardson #3 (Duplicate)	4/4/00	ND (4.0)	ND (0.5)
	la Water System Sampling Points		ND (4.0)	ND (0.5)
	Mountain View Blend - Lawton	4/4/00	ND (4.0)	ND (0.5)
2968	Richardson Blend	NS	NS (4.0)	NS NS
	ower (Formerly Southern California Ed			NO PROPERTY OF A PARTY
	SCE #2 (AUX)	4/5/00	ND (4.0)	ND (0.5)
	ersity			1 (0.0)
267	LL Univ Anderson #2	4/5/00	5.8	l NA
717	LL Univ Anderson #3	4/5/00	4.2	NA NA
	(Gage System)			
252	Gage #26-1 ^b	4/5/00	13	8.9
258	Gage #27-1 ^b	4/5/00	6.7	9.0
259	Gage #27-1	4/5/00	12	9.0 ND (0.5)
260	Gage #29-1	4/5/00	10	ND (0.5)
219	Gage #29-2 ^b	4/5/00	43	6.0
		 		·
219	Gage #29-2*b	4/17/00	40	5.6
220	Gage #29-3 ^b	NS NS	NS NS	NS
218	Gage #30-1	4/4/00	ND (4.0)	ND (0.5)
214	Gage #31-1	4/4/00	ND (4.0)	ND (0.5)
215	Gage #46-1	4/4/00	4.1	ND (0.5)
253	Gage #51-1 ^b	4/5/00	19	ND (0.5)
253	Gage #51-1 ^b (Duplicate)	4/5/00	19	ND (0.5)
216	Gage #56-1	4/4/00	ND (4.0)	ND (0.5)
257	Gage #66-1	4/5/00	10	ND (0.5)
644	Gage #92-1 ^b	4/5/00	17	1.3
644	Gage #92-1*b	4/17/00	18	NA NA
641	Gage #92-2	4/4/00	ND (4.0)	ND (0.5)
642	Gage #92-3	4/4/00	ND (4.0)	ND (0.5)
3091	Gage #98-1	4/5/00	ND (4.0)	ND (0.5)
		ie (Lightelighte)		
273	Hunt #6	NS NS	NS	NS NS
271	Hunt #10	4/5/00	5.6	NA NA
272	Hunt #11	J NS	l NS	NS NS
	Water System Sampling Points	4/5/00		NO (0.5)
2946 2947	Iowa Booster (Waterman) Gage Delivery (Gage)	4/5/00	ND (4.0) 7.4	ND (0.5) 0.55
2947	Gage Delivery (Gage); (Duplicate)	4/5/00	NA NA	0.55
2948	7th & Chicago (Reservoir)	4/5/00	4.5	ND (0.5)
3018	Gage Arlington	4/5/00	7.6	NA NA
	Gage Annigton			
542	COR Church St ^a	4/5/00	4.6	l NA
<u>}</u>	COR Church St			
2673		4/5/00	ND (4.0)	NA NA
535	COR Mentone Acres	4/5/00	ND (4.0)	NA NA
535	COR Mentone Acres (Duplicate)	4/5/00	ND (4.0)	NA NA
29	COR Orange St ^a	4/5/00.	ND (4.0)	NA ND (0.5)
74	COR Rees	4/5/00	7.0	ND (0.5)

Notes:

= Twice-monthly sampling result

ND(4) = Not detected at the specified limit

NA ≈ Not Analyzed
NS ≈ Not Sampled

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified

TCE analyzed using EPA Method 502.2

a = Well sampled on quarterly basis, if active

b = TCE treatment is installed

c =Water purged to waste and not into system

TABLE 5

SUMMARY OF WATER LEVEL MEASUREMENTS APRIL 2000 SAMPLING EVENT

Well Number-	**************************************	Measure Date	Depth to Water	Measuring Point	Groundwater Elevation	Comments
City of Loma Lind	a7					
692	Mountain View #2	4/3/00	162	1085	923	Štatic
3106	Mountain View #3	4/3/00	102	1086	984	Pumping
693	Richardson #1	4/3/00	151	1077	926	Static
707	Richardson #3	4/3/00	203	1078.69	875.69	Pumping
Mountain View Po	ower (Formerly Southern Califor	nia Edison)				
554	SCÉ #2 (AUX)	NM	NM	1100	NM	Pumping
Loma Linda Unive	ersity	Service Company				
267	LL Univ Anderson #2	NM	NM	1075	NM	Pumping
717	LL Univ Anderson #3	NM	NM	1070	NM	Pumping
City of Riverside	(Gage System)				2001	
252	Gage #26-1	4/4/00	83.60	1045.33	961.73	Pumping
258	Gage #27-1	4/4/00	70.00	1044.64	974.64	Pumping
259	Gage #27-2	4/4/00	83.80	1044.64	960.84	Pumping
260	Gage #29-1	4/4/00	NM	1044.43	NM	Pumping
219	Gage #29-2	4/4/00	90.10	1046.31	956.21	Pumping
220	Gage #29-3	4/4/00	66.60	1048.75	982.15	Static
218	Gage #30-1	4/4/00	169.90	1054.17	884.27	Pumping
214	Gage #31-1	4/4/00	116.10	1054.64	938.54	Pumping
215	Gage #46-1	4/4/00	125.70	1065.5	939.8	Pumping
253	Gage #51-1	4/4/00	152.90	1044.64	891.74	Pumping
216	Gage #56-1	4/4/00	146.00	1065.5	919.5	Pumping
257	Gage #66-1	4/4/00	122.10	1044.85	922.75	Pumping
644	Gage #92-1	4/4/00	165.70	1047.78	882.08	Pumping
641	Gage #92-2	4/4/00	185.50	1053.38	867.88	Pumping
642	Gage #92-3	4/4/00	178.90	1058.78	879.88	Pumping
3091	Gage #98-1	4/4/00	175.90	1058.78	882.88	Pumping
City of Riverside	(Waterman System)	brolf2### 111	1			
273	Hunt #6	NM	NM	1015.5	NM	Static
271	Hunt #10	NM	NM	1017	NM	Pumping
272	Hunt #11	NM	NM	1015.7	NM	Static
City of Redlands		F. 78.5 73.4533.474.784.78				
542	COR Church St	Apr-00	146.0	1344.8	1198.8	Pumping
2673	COR #38	Apr-00	91.0	1193	1102	Pumping
535	COR Mentone Acres	Apr-00	194.0	1506.4	1312.4	Pumping
29	Cor Orange St	Apr-00	128.0	1282	1154	Pumping
74	COR Rees	Apr-00	242.0	1490	1248	Pumping

Notes:

All measurements reported in feet below measuring point (ft-bmp)

Water level measurements for all City of Loma Linda, City of Riverside, and City of Redlands wells were obtained by purveyor personnel.

Elevations given in feet above mean sea level (ft-msl)

NM = Not measured

NA = Data not available

Static water levels were allowed to recover a minimum of 30 minutes to obtain a static water level measurement

TABLE 5

SUMMARY OF WATER LEVEL MEASUREMENTS APRIL 2000 SAMPLING EVENT

			Depth to	Measuring Point	Groundwater	
Well Number	- Well Name	Measure Date	Water	Elevation 🐫 👚	Elevation	Comments
City of Loma Lind	a 🥕 💮 💮 💮 💮 💮 💮		1000			
692	Mountain View #2	4/3/00	162	1085	923	Static
3106	Mountain View #3	4/3/00	102	1086	984	Pumping
693	Richardson #1	4/3/00	151	1077	926	Static
707	Richardson #3	4/3/00	203	1078.69	875,69	Pumping
Mountain View Po	ower (Formerly Southern Califor	nia Edison)			The second of the second secon	
554	SCE #2 (AUX)	NM	NM	1100	NM	Pumping
Loma Linda Unive	ersity Andrews	The Control of the Co				
267	LL Univ Anderson #2	NM	NM	1075	NM	Pumping
717	LL Univ Anderson #3	NM	NM	1070	NM	Pumping
City of Riverside	(Gage System)				25- W. S. (4)	
252	Gage #26-1	4/4/00	83.60	1045.33	961.73	Pumping
258	Gage #27-1	4/4/00	70.00	1044.64	974.64	Pumping
259	Gage #27-2	4/4/00	83.80	1044.64	960.84	Pumping
260	Gage #29-1	4/4/00	NM	1044.43	NM	Pumping
219	Gage #29-2	4/4/00	90.10	1046.31	956.21	Pumping
220	Gage #29-3	4/4/00	66.60	1048.75	982.15	Static
218	Gage #30-1	4/4/00	169.90	1054.17	884.27	Pumping
214	Gage #31-1	4/4/00	116.10	1054.64	938.54	Pumping
215	Gage #46-1	4/4/00	125.70	1065.5	939.8	Pumping
253	Gage #51-1	4/4/00	152.90	1044.64	891.74	Pumping
216	Gage #56-1	4/4/00	146.00	1065.5	919.5	Pumping
257	Gage #66-1	4/4/00	122.10	1044.85	922.75	Pumping
644	Gage #92-1	4/4/00	165.70	1047.78	882.08	Pumping
641	Gage #92-2	4/4/00	185.50	1053.38	867.88	Pumping
642	Gage #92-3	4/4/00	178.90	1058.78	879.88	Pumping
3091	Gage #98-1	4/4/00	175.90	1058.78	882.88	Pumping
City of Riverside	(Waterman System)	THE STANSPORT				***************************************
273	Hunt #6	NM	NM	1015.5	NM	Static
271	Hunt #10	NM	NM	1017	NM	Pumping
272	Hunt #11	NM	NM	1015.7	NM	Static
City of Redlands				(4-12) Marie 10 (4-17)		
542	COR Church St	Apr-00	146.0	1344.8	1198.8	Pumping
2673	COR #38	Apr-00	91.0	1193	1102	Pumping
535	COR Mentone Acres	Apr-00	194.0	1506.4	1312.4	Pumping
29	Cor Orange St	Apr-00	128.0	1282	1154	Pumping
74	COR Rees	Apr-00	242.0	1490	1248	Pumping

Notes:

All measurements reported in feet below measuring point (ft-bmp)

Water level measurements for all City of Loma Linda, City of Riverside, and City of Redlands wells were obtained by purveyor personnel.

Elevations given in feet above mean sea level (ft-msl)

NM = Not measured

NA = Data not available

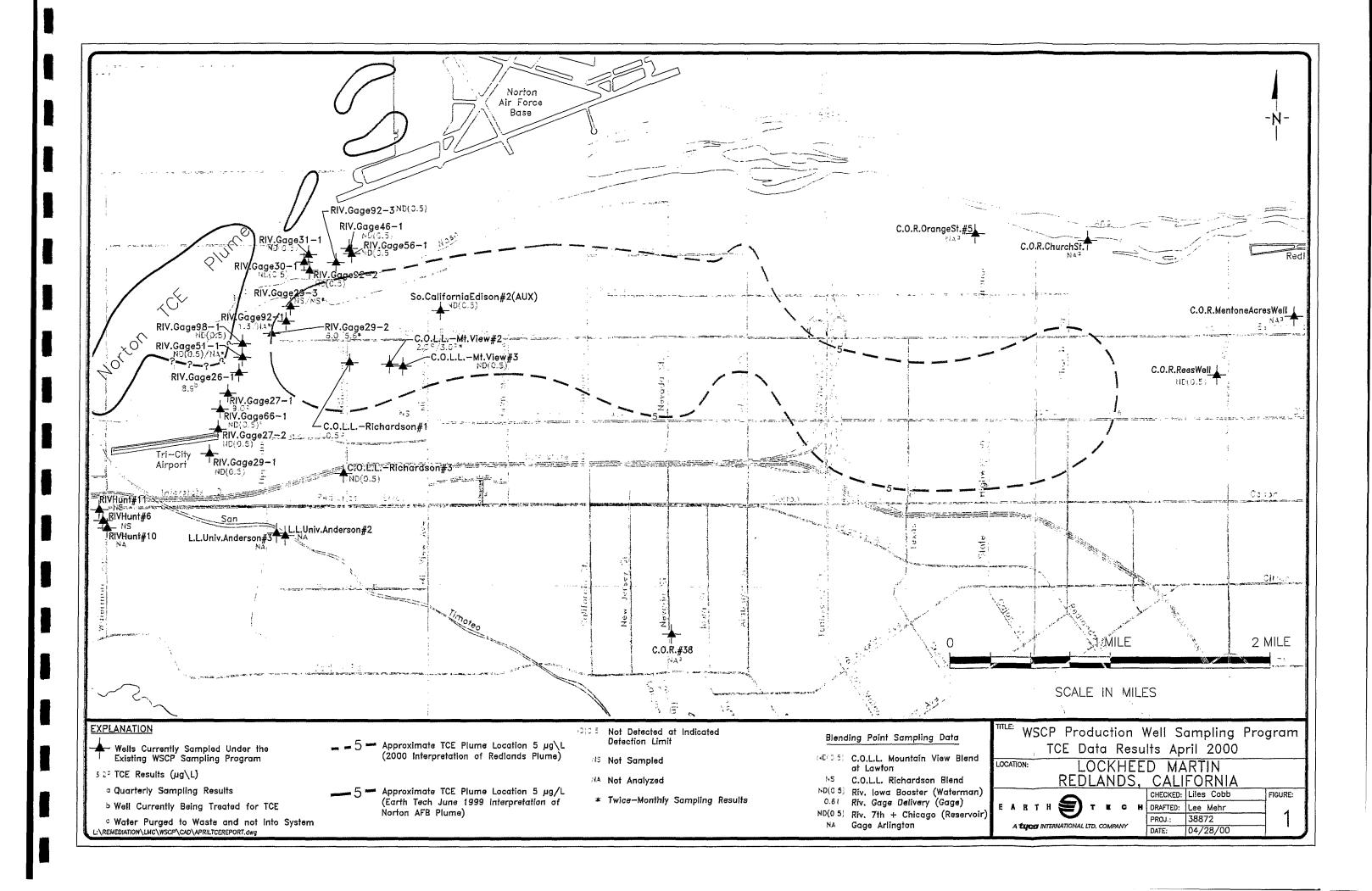
Static water levels were allowed to recover a minimum of 30 minutes to obtain a static water level measurement

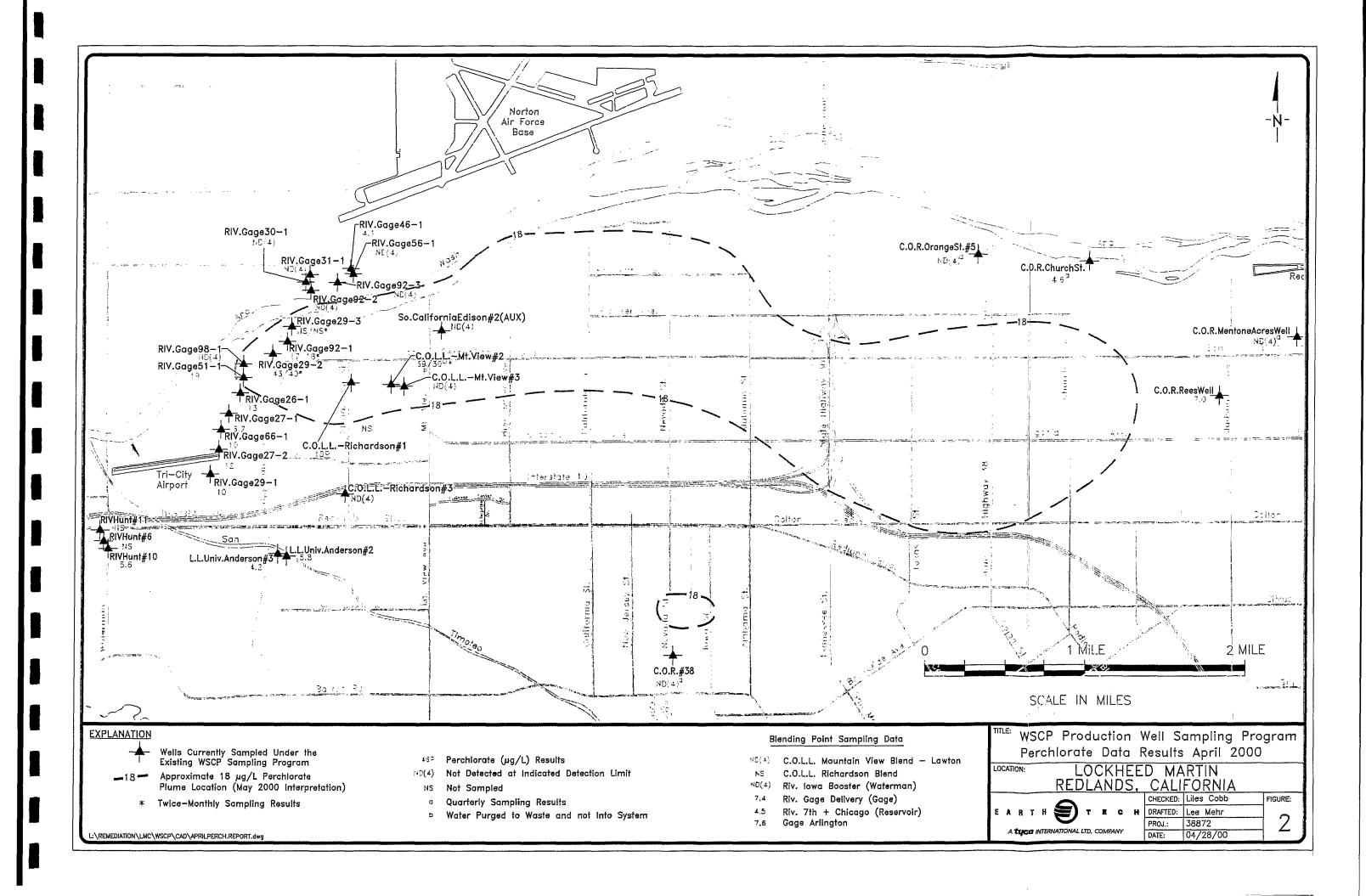
TABLE 6

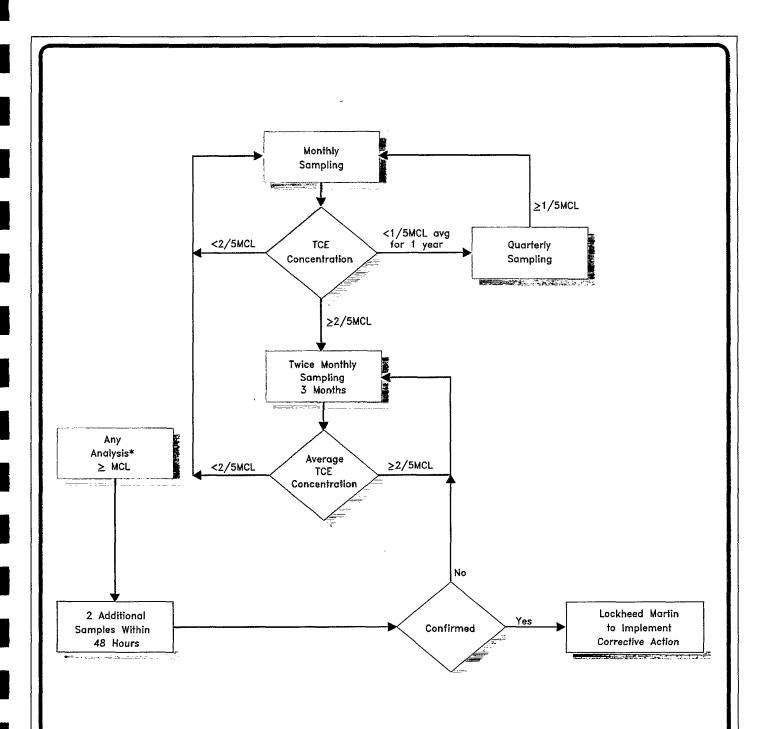
WSCP PRODUCTION WELL SAMPLING PROGRAM APRIL 2000 SAMPLE IDENTIFICATIONS

Well Number	Well Name	Sample Date	Sample Time	Sample Number	Analyzed for Perchlorate	Analyzed for a TCE
the of Lama Lind						
692	Mountain View #2	4/4/00	9:25	GW-4-1	Yes	Yes
692	Mountain View #2	4/17/00	10:18	GW-4-39	Yes	No
		4/4/00			Yes	
3106	Mountain View #3		10:10	GW-4-2		Yes
693	Richardson #1	4/4/00	11:25	GW-4-5	Yes	Yes
707	Richardson #3	4/4/00	10:45	GW-4-3	Yes	Yes
707	Richardson #3 (Duplicate)	4/4/00	10:48	GW-4-4	_Yes	1 Yes
	a Water System Sampling Points	A Same of the second se				17700
2967	Mountain View Blend - Lawton	4/4/00	12:25	Ğ₩-4-6	Yes	Yes
2968	Richardson Blend	N/A	N/A	N/A	N/A	N/A
	ower (Formerly Southern California Ed					- DAG
554	SCE #2 (AUX)	4/5/00	17:05	GW-4-31	Yes	Yeş
	ersity				544.86 (F 38 8.96 / 4	
267	LL Univ Anderson #2	4/5/00	13:15	GW-4-23	Yes	No
717	LL Univ Anderson #3	4/5/00	13:30	GW-4-24	Yes	No
	(Gage System)		2 / Samuel Sales			100 C
252	Gage #26-1	4/5/00	8:35	GW-4-15	Yes	Yes
258	Gage #27-1	4/5/00	10:12	GW-4-19	Yes	Yes
259	Gage #27-2	4/5/00	11:10	GW-4-21	Yes	Yes
260	Gage #29-1	4/5/00	11:40	GW-4-22	Yes	Yes
219	Gage #29-2	4/4/00	16:30	GW-4-13	Yes	Yes
219	Gage #29-2	4/17/00	10:55	GW-4-40	Yes	Yes
220	Gage #29-3	N/A	N/A	N/A	N/A	N/A
218	Gage #30-1	4/4/00	15:18	GW-4-10	Yes	Yes
214	Gage #31-1	4/4/00	16:05	GW-4-12	Yes	Yes
215	Gage #46-1	4/4/00	14:05	GW-4-7	Yes	Yes
253	Gage #51-1	4/5/00	9:05	GW-4-16	Yes	Yes
253	Gage #51-1 (Duplicate)	4/5/00	9:10	GW-4-17	Yes	Yes
216	Gage #56-1	4/4/00	14:25	GW-4-8	Yes	Yes
257	Gage #66-1	4/5/00	10:45	GW-4-20	Yes	Yes
644	Gage #92-1	4/5/00	7:55	GW-4-14	Yes	Yes
644	Gage #92-1	4/17/00	9:20	GW-4-38	Yes	No
641	Gage #92-2	4/4/00	15:40	GW-4-11	Yes	Yes
642	Gage #92-3	4/4/00	14:55	GW-4-9	Yes	Yes
3091	Gage #98-1	4/5/00	9:40	GW-4-18	Yes	Yes
	(Waterman System)		1 2.40			
273	Hunt #6	I N/A	T N/A	N/A	l N/A	N/A
271	Hunt #10	4/5/00	14:35	GW-4-25	Yes	No No
272	Hunt #11	N/A	N/A	N/A	N/A	N/A
150 100	Water System Sampling Points	1 1085.0010	T INV	1 1/4		
2946	Ilowa Booster (Waterman)	4/5/00	18:15	GW-4-33	Yes	Yes
2947						
2947	Gage Delivery (Gage)	4/5/00 4/5/00	18:42	GW-4-34 GW-4-35	Yes	Yes
2947	Gage Delivery (Gage); (Duplicate)	4/5/00	18:45		No You	Yes
2948 3018	7th & Chicago (Reservoir)	4/5/00	19:05	GW-4-36	Yes	Yes
	Gage Arlington	Control of the Contro	19:20	GW-4-37	Yes	No No
City of Redlands		.) . 501,000 to 5 150mm / 1	7.42	THE SECOND		
542	COR Church St	4/5/00	16:15	GW-4-29	Yes	No No
2673	COR #38	4/5/00	17:40	GW-4-32	Yes	No
535	COR Mentone Acres	4/5/00	15:40	GW-4-27	Yes	No No
535	COR Mentone Acres (Duplicate)	4/5/00	15:45	GW-4-28	Yes	No
29	COR Orange St	4/5/00	16:35	GW-4-30	Yes	No
74	COR Rees	4/5/00	15:15	GW-4-26	Yes	Yes

FIGURES







Footnote:

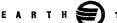
* If, at a specific well, blending is occurring to provide acceptable water for compounds other than TCE, than no corrective action may be necessary as long as the concentration of TCE is less than 5.0 $\,\mu \text{g/L}$ in the finished water.

TCE MCL = 5 μ g/L (California Regulations, Title 22, Division 4, Chapter 15, Section 64444)

::\REMEDIATION\LMC\WSCP\CAD\TCEMATRIXFIG-3.dwg

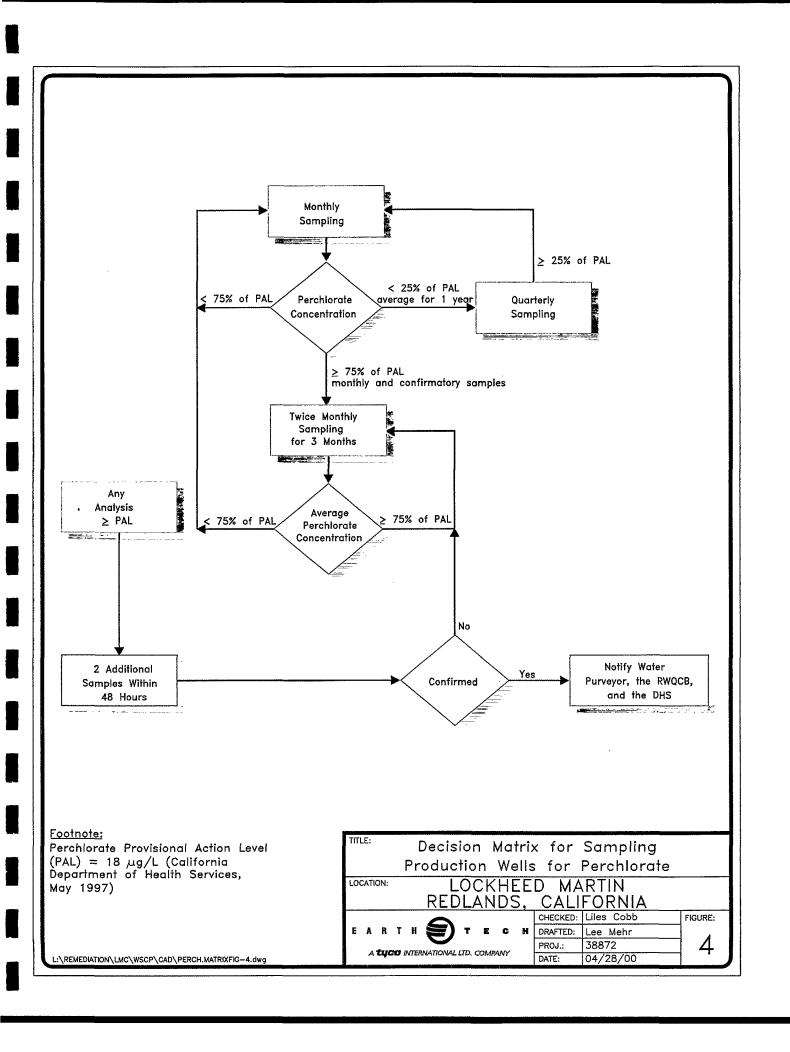
Decision Matrix for Sampling of Production
Wells for TCE from the Crafton—Redlands Plume

LOCKHEED MARTIN REDLANDS, CALIFORNIA



A **tyco** international LTD, company

	CALIFORNIA						
-	CHECKED:	Liles Cobb	FIGURE:				
	DRAFTED:	Lee Mehr					
	PROJ.:	38872	.5				
	DATE:	04/28/00					



ATTACHMENT A

GEOLIS FIELD FORMS (Available Upon Request)

ATTACHMENT B

CHAIN-OF-CUSTODY RECORDS AND
LABORATORY DATA SHEETS AND LEVEL III MODIFIED
QUALITY ASSURANCE/QUALITY CONTROL DOCUMENTATION
(Available Upon Request)